



Edgewood Area - Aberdeen Proving Ground, Maryland 21010-5424

U.S. Army Soldier and Biological Chemical Command

Joint Chemical Agent Detector (JCAD)

Description: The JCAD will be a combined portable monitoring and small point chemical agent detector for aircraft, shipboard, and individual soldier applications. This hand-held, pocket-sized detector is required to automatically detect, identify, and quantify chemical agents inside the aircraft or ship, providing protection for the individual soldier, sailor, airman, or marine. For the duration of the mission, the device must be sufficiently sensitive to warn aircrews before accumulation of a dose that will cause miosis or more severe effects. It must be resistant to the severe interferent environment on a naval vessel and be small and rugged for individual use.

Mission: Advanced detection and warning, identification of contamination on personnel and equipment, and monitoring for the presence of chemical warfare agent contamination.



User: U.S. Air Force (Program Lead), U.S. Army, U.S. Marines, and U.S. Navy.

Capabilities:

- Instant feedback of hazard (mask only or full MOPP)
- Real-time detection of nerve, blister, and blood agents
- Miosis-level detection capability
- Calculates accumulated dosage
- Stores up to 72 hours of detection data
- Fully compatible with JWARN
- Replaces the M8A1 Alarm, M22 ACADA, and the CAM/ICAM



For additional information, please contact Program Director-Detection, ATTN: AMSSB-PM-RNN-D, Aberdeen Proving Ground, MD 21010-5424. The Program Director can also be contacted by E-mail (pd.detection@sbccom.apgea.army.mil), by telephone at (410) 436-3526 or DSN 584-3526, or by fax to (410) 436-8929.